Amendments to the Specification

Please replace the previous Sequence Listing with the new Sequence Listing submitted herewith.

Please replace Table IV beginning on page 53, with the following replacement Table IV.

TABLE IV

Oligonucleotides for Construction of Representative Partial TM Genes

OLIGO	SEQUENCE
1:	gat cag gaa gat gaa cgt att gtt ctg gtt gac aac aag tgc aag tgt gct cgt att act t
2:	cta gaa gta ata cga gca cac ttg cac ttg ttg tca acc aga aca ata cgt tca tct tcc t
1.1:	gat cag aag tgc aag tgt gct cgt att act t
2.1:	ct aga agt aat acg agc aca ctt gca ctt ct
1.2ser:	gat cag gaa gat gaa cgt att gtt ctg gtt gac aac aag tgc aag tcc gct cgt att act t
2.2ser:	cta gaa gta ata cga gcg gac ttg cac ttg ttg tca acc aga aca ata cgt tca tct tcc t
1.2val:	gat cag gaa gat gaa cgt att gtt ctg gtt gac aac aag tgc aag gtt gct cgt att act t
2.2val:	cta gaa gta ata cga gca acc ttg cac ttg ttg tca acc aga aca ata cgt tca tct tcc t
3:	cta gaa tca tcc gta gct cag agg acc caa atg aag ata tag tcg aa
4	gat acg gat gtt acg ttc gac tat atc ttc att tgg gtc ctc tga gct acg gat gat t
5:	cgt aac atc cgt atc atc gtc cca ctg aat aac cgg gag aat atc tca g
5.1dg:	cgt aac atc cgt atc atc gtc cca ctg aat aac cgg gag cac atc tca g
6:	acg gac ttg tag gat ctg aga tat tct ccc ggt tat tca gtg gga cga t
6.1dg:	acg gac ttg tag gat ctg aga tgt gct ccc ggt tat tca gtg gga cga t
7:	atc cta caa gtc cgt tgc gca cac gct tcg tat acc acc tgt ca
8:	gat ctg aca ggt ggt ata cga agc gtg tgc gca

Application No.:   09/005,318   Attorney Docket No.: EPI3004B
Filing Date: January 9, 1998   (068904-0302)
In re application of Hiatt, et al.
Page 3 of 6

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9:          gat ctg tgt aag aag tgt gat cca aca gag gta gag ctg gac aat cag ata
            gtc act gca

9L3Δ:       gat ctg tgt aag aag gat gag gac agc gct aca gaa acc tgc tg

10L3Δ:      aat tca gca ggt ttc tgt agc gct gtc ctc atc ctt ctt aca ca

9L3ΔKDEL:   gat ctg tgt aag aag gat gag gac agc gct aca gaa acc tgc tac gag aag
            gat gag ctg tg

10L3ΔKDEL:   aat tca cag ctc atc ctt cgc gtc gca ggt ttc tgt agc gct gtc ctc
            atc ctt ctt aca ca

9.2Δ3:      gat ctg tgt aag aag tct gat atc gat gaa gat tcc gct aca gaa acc tgc
            agc aca tg

10.2Δ3:     aat tca tgt gct gca ggt ttc tgt agc gga atc ttc atc gat atc aga ctt
            ctt aca ca

9.3Δ3/ser68: gat ctg tct aag aag tct gat atc gat gaa gat tac aga ttc ttc aga
            cta tag cta ctt cta a

10.3Δ3/ser68: aat ctt cat cga tat cag act tct tag aca

9.3Δ3/val68: gat ctg gtt aag aag tct gat atc gat gaa gat tac caa ttc ttc aga
            cta tag cta ctt cta a

10.3Δ3/val68: aat ctt cat cga tat cag act tct taa cca

10:         att gtc cag ctc tac ctc tgt tgg atc aca ctt ctt aca ca

11:         act caa agc aac att tgc gat gag gac agc gct aca gaa acc tgc a

12:         ggt ttc tgt agc gct ctg ctc atc gca aat gtt gct ttg agt cgc agt gac
            tat ctg

13:         gc acc tac gat agg aac aaa tgc tac acg gcc gtg gtt ccg ctc gtg tat
            ggt gga gag

14:         gag cgg aac cac ggc cgt gta gca ttt gtt cct atc gta ggt gct gca

15:         aca aaa atg gtg gaa act gcc ctt acg ccc gat gca tgc tat ccg gac tg

16:         aat tca gtc cgg ata gca tgc atc ggg cgt aag ggc agt ttc cac cat ttt
            tgt ctc tcc acc ata cac

15KDEL:     aca aaa atg gtg gaa act gcc ctt acg ccc gat gca tgc tat ccg gac aag
            gat gaa ttg tg

16KDEL:     aat tca caa ttc atc ctt gtc cgg ata gca tgc atc ggg cgt aag ggc agt
            ttc cac cat ttt tgt ctc tcc acc ata cac

            P1: gat cag gtc gct gcc atc caa gac ccg agg ctg ttc gcc gaa gag aag
            gcc gtc gct gac tcc aag tgc aag tgt gct cgt att act t
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Application No.:   09/005,318
Filing Date: January 9, 1998
In re application of Hiatt, et al.
Page 4 of 6

Attorney Docket No.: EPI3004B
(068904-0302)

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P2:        ct aga agt aat acg agc aca ctt gca ctt gga gtc agc gac ggc ctt ctc

           ttc ggc gaa cag cct cgg gtc ttg gat ggc agc gac ct


Tp1:       gc gat gac gac gat aag gcc caa acg gag acc tgt act gtt gcg cct cgt
           gaa cgg caa aac tgc gga ttc ccg g̶a̶a̶ gga

Tp2:       gtt ttg ccg ttc acg agg cgc aac agt aca ggt ctc cgt ttg ggc ctt atc
           gtc gtc atc gct t̶c̶a̶ gca

Tp3:       gta aca ccc tct cag tgc gct aat aaa ggc tgc tgt ttt gat gac acg gta
           cgg ggc gtt ccg tgg tgc ttc

Tp4:       gcc ccg tac cgt gtc atc aaa aca gca gcc ttt att agc gca ctg aga ggg
           tgt tac t̶t̶c̶ tcc cgg gaa tcc gca

Tp5:       tac ccc aat aca att gac gtt ccg cct gaa gaa gag tgc gag c̶c̶g̶ ttt taa g

Tp6:       aattc tta cgg ctc gca ctc ttc ttc agg cgg caa gtc aat tgt att ggg gta
           gaa gca cca c̶g̶g̶ aaa aac
```

Please replace Table XI beginning on page 59B (see amendment of June 9, 2000), with the following replacement Table XI.

Table XI

DNA and Primary Amino Acid Sequence of TpS2

```
101 102
cys ser asp asp asp asp lys ala gln thr glu thr cys thr val ala pro
    gc gat gac gac gat aag gcc caa acg gag acc tgt act gtt gcg cct
a̶c̶t̶ acg tcg cta ctg ctg cta ttc cgg gtt tgc ctc tgg aca tga caa cgc gga

arg glu arg gln asn cys gly phe pro gly val thr pro ser gln cys ala
cgt gaa cgg caa aac tgc gga ttc ccg g̶a̶a̶ gga/gta aca ccc tct cag tgc gct
gca ctt gcc gtt ttg/acg cct aag ggc c̶t̶t̶ cct cat tgt ggg aga gtc acg cga

asn lys gly cys cys phe asp asp thr val arg gly val pro trp cys phe
aat aaa ggc tgc tgt ttt gat gac acg gta cgg ggc gtt ccg tgg tgc ttc/
tta ttt ccg acg aca aaa cta ctg tgc cat gcc ccg/caa ggc acc acg aag

tyr pro asn thr ile asp val pro pro glu glu glu cys glu phe
tac ccc aat aca att gac gtt ccg cct gaa gaa gag tgc gag c̶c̶g̶ ttt taa g
atg ggg tta tgt taa ctg caa ggc gga ctt ctt ctc acg ctc g̶g̶c̶ aaa att
cttaa --
```